

MAY 22 2006

**FAX TRANSMISSION****DATE:** May 22, 2006**PTO IDENTIFIER:** Application Number 10/563,084  
Patent Number**Inventor:** Stefan Langenbach et al.**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (571) 273-8300**FROM:** EDWARDS ANGELL PALMER & DODGE LLP  
Howard M. Gitten**PHONE:** (954) 667-6130**Attorney Dkt. #:** 64726(45710)**PAGES (Including Cover Sheet):** 11**CONTENTS:**

Fee Transmittal (1 page)  
 Combined Declaration and Power of Attorney (4 pages)  
 Part 2 Copy of Notice (2 pages)  
 Response to Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/elected Office (DO/EO/US) (2 pages)  
 Charge \$65.00 to deposit account 04-1105  
 Certificate of Transmission (1 page)

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (954) 667-6130 and send the original transmission to us by return mail at the address below.

This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.

**EDWARDS ANGELL PALMER & DODGE LLP**  
 360 East Las Olas Boulevard, Fort Lauderdale, Florida 33301  
 Telephone: (954) 727-2600 Facsimile: (954) 727-2601

BEST AVAILABLE COPY

PTO/SB/97 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application No. (if known): 10/563,084

Attorney Docket No.: 64726(45710)

**Certificate of Transmission under 37 CFR 1.8**

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office.

on May 22, 2006  
Date



Signature

Priscilla Katon

Typed or printed name of person signing Certificate

Registration Number, if applicable

Telephone Number

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Fee Transmittal (1 page)

Combined Declaration and Power of Attorney (4 pages)

Part 2 Copy of Notice (2 pages)

Response to Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) (2 pages)

Charge \$65.00 to deposit account 04-1105

BEST AVAILABLE COPY

MAY 22 2006

PTO/SB/17 (01-05)

Approved for use through 7/31/2008. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCEUnder the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2006**☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 65.00

**Complete if Known**

Application Number	10/563,084
Filing Date	December 30, 2005
First Named Inventor	Stefan Langenbach
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	64726(45710)

**METHOD OF PAYMENT (check all that apply)**
☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: 04-1105 Deposit Account Name: Edwards Angell Palmer & Dodge LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	50	25
	200	100
	360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
-	=	x	=

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
-	=	x	=

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
-	=	150	(round up to a whole number) x	=
				Fees Paid (\$)

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 2051 Surcharge-Late oath or declaration 371

65.00

**SUBMITTED BY**

Signature

*Howard M. Gitten*Registration No.  
(Attorney/Agent)

32,138

Telephone

(954) 667-6130

Name (Print/Type)

Howard M. Gitten

Date

May 22, 2006

05/26/2006 MKAYPAGH 00000135 041105 10563084

01 FC:2617

65.00 DA

302034

BEST AVAILABLE COPY

MAY 22 2006

Docket No.: 64726(45710)  
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

In re Patent Application of:  
Stefan Langenbach et al.

Application No.: 10/563,084

Confirmation No.: 5853

Filed: December 30, 2005

Art Unit: N/A

For: METHOD FOR CHANNEL ESTIMATION  
AND SYMBOL DETECTOR FOR OPTICAL  
RECEIVER

---

Examiner: Not Yet Assigned

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C.  
371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

MS Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to Notification of Missing Requirements Under 35 U.S.C. 371, mailed March 22, 2006, Applicants respectfully submit an executed Declaration and a copy of the Notification of Missing Requirements.

Please charge our Deposit Account No. 04-1105 in the amount of \$65.00 covering the fee set forth in 37 CFR 1.16(f). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our

302003

BEST AVAILABLE COPY

Application No.: 10/563,084


2

Docket No.: 64726(45710)

Deposit Account No. 04-1105, under Order No. 64726(45710). A duplicate copy of this paper is enclosed.

Dated: May 22, 2006

Respectfully submitted,

By 

Howard M. Gitten

Registration No.: 32,138

EDWARDS ANGELL PALMER & DODGE  
LLP

350 East Las Olas Boulevard  
Fort Lauderdale, Florida 33301  
(954) 667-6130  
Attorneys/Agents For Applicant

BEST AVAILABLE COPY

hmc MAY. 22. 2006 11:40AM  
64726(45710)

EDWARDS & ANGELL

NO. 316 P. 6 of 2

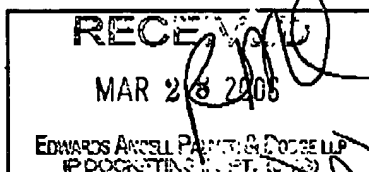


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/563,084	Stefan Langenbach	64726(45710)

21874  
EDWARDS & ANGELL, LLP  
P.O. BOX 55874  
BOSTON, MA 02205



INTERNATIONAL APPLICATION NO.	
PCT/EP04/07155	
LA. FILING DATE	PRIORITY DATE
07/01/2004	07/02/2003

CONFIRMATION NO. 5853  
371 FORMALITIES LETTER



Date Mailed: 03/22/2006

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 12/30/2005
- Copy of the International Search Report filed on 12/30/2005
- Information Disclosure Statements filed on 02/28/2005
- Small Entity Statement filed on 12/30/2005
- U.S. Basic National Fees filed on 12/30/2005
- Priority Documents filed on 12/30/2005

*missing parts*  
EDWARDS ANGELL PALMER & DODGE LLP  
101 Federal St. Boston, MA 02110  
Docketed For *5/22-10/22/06*  
By *[Signature]*  
Approved \_\_\_\_\_

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$65 for a Small Entity:

- \$65 Surcharge.

BEST AVAILABLE COPY

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice MUST be returned with the response.*

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/563,084	PCT/EP04/07155	64726(45710)

FORM PCT/DO/EO/905 (371 Formalities Notice)

BEST AVAILABLE COPY